5. A lipid composition according to claim **2**, wherein the treatment agent is a drug, protein, or hormone.

6. A lipid composition according to claim **2**, wherein the treatment agent is an antibody.

7. A lipid composition according to claim **1**, wherein the substance for delivery is a radioactive isotope.

8. A lipid composition according to claim **1**, wherein the substance for delivery is a metal ion.

9. A lipid composition according to claim **8**, wherein the metal ion is a lanthanide ion.

10. A lipid composition according to claim **8**, wherein the metal ion is selected from the group consisting of gadolinium, dysprosium, technetium, and indium ions.

11. A lipid composition according to claim **1**, wherein said particles are liposomes.

12. A lipid composition according to claim **11**, wherein the substance for delivery is a treatment agent.

13. A lipid composition according to claim **12**, wherein the treatment agent is attached to the liposomes.

14. A lipid composition according to claim **12**, wherein the treatment agent is encapsulated within the liposomes.

15. A lipid composition according to claim **12**, wherein the treatment agent is a drug, protein, or hormone.

16. A lipid composition according to claim **12**, wherein the treatment agent is an antibody.

17. A lipid composition according to claim **11**, wherein the substance for delivery is a radioactive isotope.

18. A lipid composition according to claim **11**, wherein the substance for delivery is a metal ion.

19. A lipid composition according to claim **18**, wherein the metal ion is a lanthanide ion.

20. A lipid composition according to claim **18**, wherein the metal ion is selected from the group consisting of gadolinium, dysprosium, technetium, and indium ions.

21. A lipid composition according to claim **1**, wherein the substance for delivery is present in a multi-valent arrangement.

22. A lipid composition according to claim **21**, wherein the substance for delivery is a substance that inhibits receptor binding at the target tissue.

23. A lipid composition according to claim **1**, wherein the targeting agent is selected from the group consisting of antibodies, ligands, proteins, peptides, carbohydrates, vitamins, drugs, and combinations thereof.

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